

30th International Conference on Principles and Practice of Constraint Programming

CP 2024, September 2–6, 2024, Girona, Spain

Edited by

Paul Shaw



Editors

Paul Shaw 

IBM, Biot, France
paul.shaw@fr.ibm.com

ACM Classification 2012

Theory of computation → Constraint and logic programming; Applied computing → Operations research; Mathematics of computing → Combinatorial optimization; Computing methodologies → Planning and scheduling; Computing methodologies → Theorem proving algorithms; Theory of computation → Mathematical optimization

ISBN 978-3-95977-336-2

Published online and open access by

Schloss Dagstuhl – Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing, Saarbrücken/Wadern, Germany. Online available at <https://www.dagstuhl.de/dagpub/978-3-95977-336-2>.

Publication date

August, 2024

Bibliographic information published by the Deutsche Nationalbibliothek

The Deutsche Nationalbibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <https://portal.dnb.de>.

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Digital Object Identifier: 10.4230/LIPIcs.CP.2024.0

ISBN 978-3-95977-336-2

ISSN 1868-8969

<https://www.dagstuhl.de/lipics>

LIPICs – Leibniz International Proceedings in Informatics

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■ Preface

The year 2024 marks the 30th edition of the International Conference on Principles and Practice of Constraint Programming. Whilst I did not attend the very first couple of conferences (1995 in Cassis, and 1996 in Cambridge), I did go to Linz in 1997 and managed to get a paper in the program in 1998 in Pisa: my CP journey had begun. This year, the conference takes place in Girona, Spain, from the 2nd to the 6th of September. More details can be found at <https://cp2024.a4cp.org/index.html>.

This year in Girona, the conference has 38 accepted papers (from 95 submissions), 2 invited talks and 3 tutorials over 5 days. As is customary, day zero of the conference comprises a series of workshops and the doctoral program: a time for young researchers to come together to exchange ideas. This year, four workshops are represented: The 26th International Workshop on Configuration, the 23rd Workshop on Constraint Modelling and Reformulation, the 7th Workshop on Progress Towards the Holy Grail, and the 1st Workshop on Discrete Optimization with Soft Constraints. Special thanks go to Edward Lam for chairing the Doctoral Program, and to Carlos Ansótegui for chairing the Workshops Program.

The conference has three diverse tutorials: Domain-Independent Dynamic Programming by Chris Beck and Ryo Kuroiwa, JuMP and Constraint Programming by Benoît Legat, and Constraint Acquisition by Dimos Tsouros. I want to thank all the authors and presenters for their willingness to contribute to the conference in this way, and to Pierre Schaus for agreeing to be tutorial chair and bringing together these talks.

As usual, we also have a number of special tracks this year: Applications, CP and Machine Learning, and CP and Quantum Computing. I'd like to thank Louis-Martin Rousseau, Quentin Cappart and Philippe Codognet who did an excellent job of chairing these tracks.

I would like to welcome Özgür Akgün to the role of DEI chair this year, a term that he will hold for two years. He joins María Andreína Francisco Rodríguez who is in her second year of her role as joint DEI chair.

A conference like CP relies on many people to make it a success. In terms of the program itself, I would like to thank first of all everybody who contributed papers: submissions are the essence of the conference. Then, of course, I would like to thank the program committee, additional reviewers, and the senior program committee who made the final deliberations. I found all the PC and SPC discussions to be very fair and professional. I came away from the process with a really positive view of our community. Thank you for that.

I am very much looking forward to the two invited talks this year, both from previous program chairs of CP. Ian Gent will speak about “Solving Patience and Solitaire Games with Good Old-Fashioned AI”, and Francesca Rossi will discuss “Thinking Fast and Slow in AI: A cognitive architecture to augment both AI and human reasoning”. Another special treat will be a panel discussion between previous program chairs of CP. Many thanks to Eugene Freuder for arranging this special 30th anniversary session.

Of course, the conference organization was fully dependent upon our excellent conference chairs, Miquel Bofill and Mateu Villaret and our publicity chair, Jordi Coll. Their hard work on the organization made my job so much simpler and allowed me to focus on the program. I am writing this two months before the conference itself, but I am sure the venue and organization on the week of the conference are going to be fabulous.



Finally, I wish to thank our generous sponsors: The Association for Constraint Programming, the AI Journal, ScheduleOpt, Universitat de Girona, Generalitat de Catalunya, Diputació de Girona, Mitsubishi Electric, IBM, Google, The Optimization Firm, Huawei, Cosling, Potassco Solutions, Ajuntament de Girona, EurAI, Patronat Politècnica (Universitat de Girona), Càtedra d'Informació i Computació (Universitat de Girona), Càtedra Lluís A. Santaló d'Aplicacions de la Matemàtica (Universitat de Girona).

July 2024


Paul Shaw


■ List of Authors


Özgür Akgün  (38)
School of Computer Science,
University of St Andrews, UK

Markus Anders (3)
TU Darmstadt, Germany

J. Christopher Beck (12, 32)
Department of Mechanical and Industrial
Engineering, University of Toronto, Canada

Jeremias Berg  (4)
Department of Computer Science, HIIT,
Helsinki, Finland;
University of Helsinki, Finland

Armin Biere  (13)
University of Freiburg, Germany


Ignace Bleukx  (29)
DTAI, KU Leuven, Belgium

Bart Bogaerts  (4)
Vrije Universiteit Brussel, Belgium


Alexandre Bonlarron  (25)
Université Côte d'Azur, Inria,
Sophia Antipolis, France;
Université Côte d'Azur, I3S, CNRS,
Sophia Antipolis, France


Sofia Brenner  (3)
TU Darmstadt, Germany


Laure Brisoux-Devendeville  (34)
MIS UR 4290, Université de Picardie Jules
Verne, Amiens, France

Shaowei Cai  (5, 19)
Key Laboratory of System Software (Chinese
Academy of Sciences) and State Key Laboratory
of Computer Science, Institute of Software,
Chinese Academy of Sciences, Beijing, China;
School of Computer Science and Technology,
University of Chinese Academy of Sciences,
Beijing, China

Quentin Cappart  (22, 30)
Polytechnique Montréal, Canada


Anouck Chan  (18)
DTIS, ONERA, Université de Toulouse, France


Xiamin Chen  (6)
Shanghai University of Finance and Economics,
China


Zhihan Chen  (5)
Key Laboratory of System Software (Chinese
Academy of Sciences) and State Key Laboratory
of Computer Science, Institute of Software,
Chinese Academy of Sciences, Beijing, China;
School of Computer Science and Technology,
University of Chinese Academy of Sciences,
Beijing, China

Sami Cherif  (34)
MIS UR 4290, Université de Picardie Jules
Verne, Amiens, France

Samuel Cloutier  (7)
Université Laval, Québec, Canada

Amanda Coles  (12)
Department of Informatics, King's College
London, UK

João Cortes  (8)
INESC-ID, Instituto Superior Técnico,
Universidade de Lisboa, Portugal


Kevin Dalmeijer  (16)
H. Milton Stewart School of Ind. and Syst.
Engineering, Georgia Institute of Technology,
Atlanta, GA, USA

Nguyen Dang  (38)
School of Computer Science,
University of St Andrews, UK


Elisabetta De Maria (25)
Université Côte d'Azur, I3S, CNRS,
Sophia Antipolis, France

Jorke M. de Vlas (35)
Linköping Universitet, Sweden

Augustin Delecluse  (36)
TRAIL, ICTEAM, UCLouvain, Belgium

Emir Demirović  (9, 11)
TU Delft, The Netherlands

Jo Devriendt  (29)
DTAI, KU Leuven, Belgium

Bistra Dilkina  (22)
Center for Artificial Intelligence in Society,
University of Southern California, Los Angeles,
CA, USA

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- Alexandre Dubray  (10)
Institute of Information and Communication
Technologies, Electronics and Applied
Mathematics (ICTEAM), UCLouvain, Belgium
- Aaron Ferber  (22)
Center for Artificial Intelligence in Society,
University of Southern California, Los Angeles,
CA, USA
- Maarten Flippo  (11)
Delft University of Technology, The Netherlands
- Adam Francis Green  (12)
Department of Informatics,
King's College London, UK;
Tango Hospitality Inc., Toronto, Canada
- Cunjing Ge  (13)
National Key Laboratory for Novel Software
Technology, Nanjing University, China;
School of Artificial Intelligence, Nanjing
University, China
- Ian P. Gent  (1)
School of Computer Science,
University of St Andrews, UK
- Diarmuid Grimes  (39)
Munster Technological University, Cork, Ireland;
SFI Centre for Research Training in Artificial
Intelligence, Cork, Ireland
- Tias Guns  (20, 29)
DTAI, KU Leuven, Belgium
- Hao Hu  (5)
Key Laboratory of System Software (Chinese
Academy of Sciences) and State Key Laboratory
of Computer Science, Institute of Software,
Chinese Academy of Sciences, Beijing, China
- Panteleimon Iosif  (14)
University of Western Macedonia, Kozani,
Greece
- Peter Jonsson (15)
Department of Computer and Information
Science, Linköping University, Sweden
- Jihye Jung  (16)
H. Milton Stewart School of Ind. and Syst.
Engineering, Georgia Institute of Technology,
Atlanta, GA, USA
- Artem Kaznatcheev  (17)
Department of Mathematics, and Department of
Information and Computing Sciences, Utrecht
University, The Netherlands
- Markus Kirchweger  (37)
Algorithms and Complexity Group, TU Wien,
Austria
- Erdem Kuş  (38)
School of Computer Science,
University of St Andrews, UK
- Victor Lagerkvist (15)
Department of Computer and Information
Science, Linköping University, Sweden
- Duc Anh Le  (18)
DTIS, ONERA, Université de Toulouse, France
- Christophe Lecoutre  (18)
CRIL, Université d'Artois & CNRS, France
- Zhendong Lei  (6)
Huawei Taylor Lab, Shanghai, China
- Chu-Min Li  (34)
MIS UR 4290, Université de Picardie Jules
Verne, Amiens, France
- Peng Lin  (5, 19)
Key Laboratory of System Software (Chinese
Academy of Sciences) and State Key Laboratory
of Computer Science, Institute of Software,
Chinese Academy of Sciences, Beijing, China;
School of Computer Science and Technology,
University of Chinese Academy of Sciences,
Beijing, China
- Pinyan Lu  (6)
Shanghai University of Finance and Economics,
Shanghai, China; Huawei Taylor Lab, Shanghai,
China
- Corinne Lucet  (34)
MIS UR 4290, Université de Picardie Jules
Verne, Amiens, France
- Înês Lynce  (8)
INESC-ID, Instituto Superior Técnico,
Universidade de Lisboa, Portugal
- Vasco Manquinho  (8)
INESC-ID, Instituto Superior Técnico,
Universidade de Lisboa, Portugal
- Imko Marijnissen  (11)
Delft University of Technology, The Netherlands
- Ciaran McCreesh  (9)
University of Glasgow, Scotland
- Matthew J. McIlree  (9)
University of Glasgow, Scotland
- Kostis Michailidis  (20)
DTAI, KU Leuven, Belgium

- Laurent Michel  (28)
Synchrony Chair in Cybersecurity, School of
Computing, University of Connecticut, Storrs,
CT, USA
- Ian Miguel  (38)
School of Computer Science,
University of St Andrews, UK
- Mohsen Nafar  (21)
Bielefeld University, Germany
- Siegfried Nijssen  (10)
Institute of Information and Communication
Technologies, Electronics and Applied
Mathematics (ICTEAM), UCLouvain, Belgium
- Jakob Nordström  (4, 9)
University of Copenhagen, Denmark;
Lund University, Sweden
- Barry O’Sullivan  (39)
Insight SFI Research Centre for Data Analytics,
National University of Ireland Galway, Ireland;
SFI Centre for Research Training in Artificial
Intelligence, Cork, Ireland; School of Computer
Science & IT, University College Cork, Ireland
- Andy Oertel  (4, 9)
Lund University, Sweden;
University of Copenhagen, Denmark
- George Osipov (15)
Department of Computer and Information
Science, Linköping University, Sweden
- Augustin Parjadis (22)
Polytechnique Montréal, Canada
- Tobias Paxian  (4)
University of Freiburg, Germany
- Gilles Pesant  (30)
Polytechnique Montréal, Canada
- Nikolaos Ploskas  (14)
University of Western Macedonia, Kozani,
Greece
- Enrico Pontelli  (28)
Department of Computer Science, New Mexico
State University, Las Cruces, NM, USA
- Xavier Pucel  (23)
ONERA, ONERA DTIS, Toulouse,
Université de Toulouse, France
- Claude-Guy Quimper  (7, 30)
Université Laval, Québec, Canada
- Ben Rachmut  (24)
Ben-Gurion University of the Negev,
Beer-Sheva, Israel
- Gaurav Rattan  (3)
University of Twente, Enschede,
The Netherlands
- Shiraz Regev (33)
Ben-Gurion University of the Negev,
Beer-Sheva, Israel
- Francesca Rossi (2)
IBM Research, Yorktown Heights, NY, USA
- Louis-Martin Rousseau  (22)
Polytechnique Montréal, Canada
- Stéphanie Roussel  (18, 23)
DTIS, ONERA, Université de Toulouse, France
- Florian Régim (25)
Université Côte d’Azur, I3S, CNRS,
Sophia Antipolis, France
- Jean-Charles Régim  (27)
Université Côte d’Azur, CNRS, I3S,
Sophia Antipolis, France
- Michael Römer  (21)
Bielefeld University, Germany
- Heythem Sattoutah  (34)
MIS UR 4290, Université de Picardie Jules
Verne, Amiens, France
- Pierre Schaus  (10, 36)
Institute of Information and Communication
Technologies, Electronics and Applied
Mathematics (ICTEAM), UCLouvain, Belgium
- André Schidler  (26)
Algorithms and Complexity Group, TU Wien,
Austria
- Margaux Schmied  (27)
Université Côte d’Azur, CNRS, I3S,
Sophia Antipolis, France
- Konstantin Sidorov  (9, 11)
TU Delft, The Netherlands
- Jeff Smits  (11)
Delft University of Technology, The Netherlands
- Filipe Souza  (39)
Insight SFI Research Centre for Data Analytics,
National University of Ireland Galway, Ireland;
SFI Centre for Research Training in Artificial
Intelligence, Cork, Ireland; School of Computer
Science & IT, University College Cork, Ireland

Kostas Stergiou  (14)


University of Western Macedonia, Kozani,
Greece

Stefan Szeider  (26, 37)


Algorithms and Complexity Group, TU Wien,
Austria

Fabio Tardivo  (28)

Department of Computer Science, New Mexico
State University, Las Cruces, NM, USA

Dimos Tsouros  (20, 29)

DTAI, KU Leuven, Belgium

Dimosthenis C. Tsouros  (14)

KU Leuven, Belgium

Pascal Van Hentenryck  (16)

H. Milton Stewart School of Ind. and Syst.
Engineering, Georgia Institute of Technology,
Atlanta, GA, USA

Melle van Marle (17)

Department of Mathematics, and Department of
Information and Computing Sciences, Utrecht
University, The Netherlands

Dieter Vandesande  (4)

Vrije Universiteit Brussel, Belgium

Wout Vanroose  (29)


DTAI, KU Leuven, Belgium

Hélène Verhaeghe  (29, 30)

DTAI, KU Leuven, Belgium

William Yeoh  (24, 33)

Washington University in St. Louis, MO, USA

Oleg Zaikin  (31)


ISDCT SB RAS, Irkutsk, Russia

Jiachen Zhang  (32)


Department of Mechanical and Industrial
Engineering, University of Toronto, Canada

Neng-Fa Zhou  (40)

CUNY Brooklyn College and the Graduate
Center, NY, USA

Roie Zivan  (24, 33)

Ben-Gurion University of the Negev,
Beer-Sheva, Israel

Mengchuan Zou  (19)

Key Laboratory of System Software (Chinese
Academy of Sciences) and State Key Laboratory
of Computer Science, Institute of Software,
Chinese Academy of Sciences, Beijing, China

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